

PATENT



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Bernard R. Brodeur et al.  
Application No. : 09/684,883  
Filed : October 6, 2000  
For : PROTEINASE K RESISTANT SURFACE PROTEIN OF  
*NEISSERIA MENINGITIDIS*

Examiner: : Albert Mark Navarro  
Art Unit : 1645  
Docket No. : 484112.417C1  
Date : April 10, 2007

Mail Stop RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

FOURTH SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

## Commissioner for Patents:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicants wish to make known to the U.S. Patent and Trademark Office the references set forth on the attached Information Disclosure Statement. Copies of cited U.S. patents and published patent applications are not required and accordingly have not been provided. Copies of any other cited references are enclosed. With respect to any reference cited, applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to traverse or antedate any such reference, as by a showing under 37 C.F.R. § 1.131 or other method. Although the aforesaid references are made known to the U.S. Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of that is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Applicants believe this Information Disclosure Statement has been timely filed; however, the Director is authorized to charge any fee due by way of this Information Disclosure Statement to our Deposit Account No. 19-1090.

Respectfully submitted,

Seed Intellectual Property Law Group PLLC

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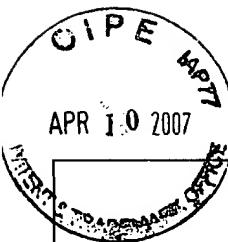
MJR:lw

Enclosures:

Information Disclosure Statement  
Cited References (9)

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Sheet 1 of 1

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**FOURTH SUPPLEMENTAL  
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(Use several sheets if necessary)

ATTY. DOCKET NO.  
484112.417C1

APPLICATION NO.  
09/684,883

APPLICANTS  
Bernard R. Brodeur

FILING DATE  
October 6, 2000

GROUP ART UNIT  
1645

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,106,726	4/21/92	Wang	435	5	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AB					
	AC					

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AD	Cannon et al., "Monoclonal Antibody that Recognizes an Outer Membrane Antigen Common to the Pathogenic <i>Neisseria</i> Species but not to Most Nonpathogenic <i>Neisseria</i> Species," <i>Infection and Immunity</i> 43(3):994-999, March 1984.
	AE	Costa et al., "Meningococcal Disease in São Paulo, Brazil," <i>NIPH Annals</i> 14(2):215-218, December 1991.
	AF	Frasch et al., "Development and Evaluation of Group B Serotype 2 Protein Vaccines: Report of a Group B Field Trial," <i>Medecine Tropicale</i> 43(2):177-180 (1983).
	AG	Goldschneider et al., "Human Immunity to the Meningococcus: The Role of Humoral Antibodies," <i>Journal of Experimental Medicine</i> 129:1307-1326, 1969.
	AH	Goldschneider et al., "Human Immunity to the Meningococcus: Development of Natural Immunity," <i>Journal of Experimental Medicine</i> 129:1327-1348, 1969.
	AI	Sierra et al., "Vaccine Against Group B Neisseria Meningitidis: Protection Trial and Mass Vaccination Results in Cuba," <i>NIPH Annals</i> 14(2):195-210, December 1991.
	AJ	Wang et al., "Development of a <i>Neisseria meningitidis</i> Group B Serotype 2b Protein Vaccine and Evaluation in a Mouse Model," <i>Infection and Immunity</i> 46(2):408-414, November 1984.
	AK	Wedgege et al., "Human Immunoglobulin G Subclass Immune Response to Outer Membrane Antigens in Meningococcal Group B Vaccine," <i>Journal of Clinical Microbiology</i> 25(8):1349-1353, August 1987.
	AL	Zollinger et al., "Meningococcal Serogroup B Vaccine Protection Trial and Follow-up Studies in Chile," <i>NIPH Annals</i> 14(2):211-213, December 1991.
	AM	
	AN	
	AO	

EXAMINER	DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).